

JOYCE WAKARI KARANJA

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SUMMARY

Positive and upbeat problem-solver with a strong analytical mindset and a passion for tackling challenges. Adept at working with diverse technologies and frameworks, with a keen ability to adapt and learn quickly. Skilled in developing efficient, scalable solutions and collaborating in dynamic environments to drive innovation and impact. I thrive in collaborative environments where problem-solving and strategic thinking are key.

EDUCATION

Bachelor of Science in Business and Information Technology

Dedan Kimathi University of Technology

Oct 2021-Sept2024

- Coursework: Software Engineering, Data Structures, Networking, Database Systems, Artificial Intelligence
- CCNA program on Networking and Cybersecurity

Emobilis Technology Training Institute

Sept 2024-Dec 2024

- Key modules: Development of web applications through HTML5, CSS, Bootstrap, python and Django Framework.

WORK EXPERIENCE

Backend Developer Intern,

Dec 2024 – Feb 2025

Dukatech Solutions — Nairobi

- Participated in agile ceremonies such as sprint planning, daily stand-ups, and retrospective meetings to ensure project success.
- Developed scalable and maintainable APIs for seamless integration with frontend components.
- Reduced system downtime by troubleshooting and resolving complex technical issues in a timely manner.
- Refactored legacy codebase to modernize architecture while maintaining backward compatibility with existing systems.

IT Support and Software Development Intern

Nairobi City Water and Sewerage Company

Sept 2024 – Nov 2024

- Provided technical assistance in troubleshooting hardware, software, and network issues.
- Developed, tested, and deployed software solutions and REST APIs, utilizing JSON for backend improvements.
- Collaborated with cross-functional teams to design, develop, and deliver high-quality software products on time.

SKILLS & QUALIFICATIONS

Technical skills

- Languages:** Python, PHP, HTML, CSS, C++, SQL
- Frameworks:** Bootstrap, Django, Flask, React, FastAPI
- Developer Tools and Libraries:** MS Office, Office 365, Windows OS, Network Infrastructure, Git, VS Code, PyCharm, pandas, matplotlib
- Other Skills:** Research, Networking, Data Analysis, Machine Learning, Database Management, IT Support, Technical Troubleshooting

Soft skills

Project Management, Problem Solving, Team Collaboration, Excellent Oral and Written Communication, Adaptability, Time Management, Attention to Detail, Critical Thinking, Creativity, Analytical Skills, Decision Making.

PROJECTS

1. Hotel Management System

- Developed a hotel management system using Django, improving booking efficiency and guest management.
- Led a team of five, ensuring timely delivery and 100% requirement adherence.

2. Library Management Application

- Built an Android app to automate book availability, reducing manual tracking by 60%.
- Implemented cataloging and borrow/return tracking, enhancing user efficiency.

3. Deep Learning Model for Colon Cancer Diagnosis

- Designed and trained a deep learning model using TensorFlow, achieving high accuracy in classifying malignant and benign tissues.
- Integrated image analysis and data visualization, improving diagnostic insights.

4. E-commerce Platform with Django

- Developed a Python-based e-commerce platform, streamlining online transactions and boosting user engagement.
- Enhanced product listings and checkout flow, increasing conversion rates.

REFEREES

Susan Ndagi - Billing System Engineer | Safaricom PLC | +254 708 181991

Moses Kiarie - Nairobi City Water and Sewerage Company | +254 722 908926